

Magnetic Thin Film Media with a Pre-seed Layer of CrTiAl

Abstract

5 The applicants disclose a thin film magnetic media structure with a pre-seed layer of CrTiAl. The CrTiAl pre-seed layer presents an amorphous or nanocrystalline structure. The CrTiAl pre-seed layer improves in-plane c-axis orientation while maintaining a good orientation ratio. The pulse transition width (PW50) is narrowed and the soft error rate is improved. The preferred seed layer
10 is RuAl.